In the Claims

Claims 6 and 13-24 has been cancelled without prejudice.

Claims 1, 3-4, 7-9 and 25-26 have been amended and Claims 27-35 have been added as follows:

1. (Currently Amended) A multiwell plate for use in assaying samples, comprising:

a frame that forms sidewalls of at least one well, the frame being formed from a polymeric material; [[and]]

a layer that forms a bottom wall of the at least one well, the layer being formed from glass ~~an inorganic material, wherein;~~

said frame and said layer are attached and bound to one another by an adhesive mixed with a silane monomer ~~an additive~~ that interacts with the adhesive, said frame and said layer in a manner which strengthens a bond between said frame and said layer;

wherein said glass was subjected to a process to free silanol groups that interact with the silane monomer in said adhesive to further strengthen the bond between said adhesive and said layer; and

wherein said polymeric material was subjected to a process to create reactive groups that interact with the silane monomer in said adhesive to further strengthen the bond between said adhesive and said frame.

2. (Original) The multiwell plate of Claim 1, wherein said polymeric material is polystyrene.

3. (Currently Amended) The multiwell plate of Claim 1, wherein said ~~inorganic material is~~ glass was subjected to a pyrolysis process and became pyrolized glass.

4. (Currently Amended) The multiwell plate of Claim 1 [[3]], wherein said polymeric material was subjected to a plasma treatment process and became plasma treated polymeric material ~~glass is a pyrolized glass that has reactive groups which interact with said additive to strengthen a bond between said adhesive and said layer~~.

5. (Original) The multiwell plate of Claim 1, wherein said adhesive is a non-cytotoxic adhesive.

Claim 6 (Cancelled)

7. (Currently Amended) The multiwell plate of Claim 1, wherein said silane monomer ~~additive~~ is 3-(trimethoxysilyl)propyl methacrylate.

8. (Currently Amended) A multiwell plate forming a plurality of sample wells for holding samples to be assayed, said multiwell plate comprising:

an upper plate that forms sidewalls of the sample wells, said upper plate made from a plasma treated polymeric material;

a lower plate that forms bottom walls of the sample wells, said lower plate made from a pyrolized glass, wherein said upper plate was joined to said lower plate by an adhesive mixed with a silane monomer that polymerized to form a compatible network with the adhesive to strengthen a bond between said upper plate and said lower plate;

said silane monomer includes ~~included~~ silane functional groups that interact ~~interacted~~ with ~~silane~~ reactive groups associated with ~~in~~ said plasma treated polymeric material to strengthen a bond between said adhesive and said upper plate; and

said silane monomer includes ~~included~~ silane functional groups that interact ~~interacted~~ with silane reactive groups associated with ~~in~~ said pyrolized glass to strengthen a bond between said adhesive and said lower plate.

9. (Currently Amended) The multiwell plate of Claim 8, wherein said plasma treated polymeric material is polystyrene.

10. (Original) The multiwell plate of Claim 8, wherein said adhesive mixed with the silane monomer is a non-cytotoxic adhesive.

Claim 11 (Previously Cancelled).

12. (Previously Amended) The multiwell plate of Claim 8, wherein said silane monomer is 3-(trimethoxysilyl)propyl methacrylate.

Claims 13-24 (Cancelled).

25. (Currently Amended) The multiwell plate of Claim 1, wherein said silane monomer ~~additive~~ is 3-(mercaptopropyl)trimethoxy silane.

26. (Currently Amended) The multiwell plate of Claim 1, wherein said silane monomer ~~additive~~ is tris2-(methoxyethoxy)vinyl silane.

27. (New) A multiwell plate forming a plurality of sample wells for holding samples to be assayed, said multiwell plate comprising:

an upper plate that forms sidewalls of the sample wells, said upper plate made from a plasma treated polymeric material; and

a lower plate that forms bottom walls of the sample wells, said lower plate made from a pyrolized glass, wherein said upper plate was joined to said lower plate by an adhesive mixed with a silane monomer that polymerized to form a compatible network with the adhesive to strengthen a bond between said upper plate and said lower plate.

28. (New) The multiwell plate of Claim 27, wherein said plasma treated polymeric material was subjected to a plasma treatment process to create reactive groups that would interact with the silane monomer in said adhesive to further strengthen the bond between said adhesive and said upper plate.

29. (New) The multiwell plate of Claim 27, wherein said pyrolized glass was subjected to a pyrolysis process to free silanol groups that would interact with the silane monomer in said adhesive to further strengthen the bond between said adhesive and said lower plate.

30. (New) A multiwell plate forming a plurality of sample wells for holding samples to be assayed, said multiwell plate comprising:

an upper plate that forms sidewalls of the sample wells, said upper plate made from a polymeric material; and

a lower plate that forms bottom walls of the sample wells, said lower plate made from a pyrolized glass, wherein said upper plate was joined to said lower plate by an adhesive mixed with a silane monomer that polymerized to form a compatible network with the adhesive to strengthen a bond between said upper plate and said lower plate.

31. (New) The multiwell plate of Claim 30, wherein said polymeric material is plasma treated polymeric material after being subjected to a plasma treatment process to create reactive groups that would interact with the silane monomer in said adhesive to further strengthen the bond between said adhesive and said upper plate.

32. (New) The multiwell plate of Claim 30, wherein said pyrolized glass was subjected to a pyrolysis process to free silanol groups that would interact with the silane monomer in said adhesive to further strengthen the bond between said adhesive and said lower plate.

33. (New) A multiwell plate forming a plurality of sample wells for holding samples to be assayed, said multiwell plate comprising:

an upper plate that forms sidewalls of the sample wells, said upper plate made from a plasma treated polymeric material; and

a lower plate that forms bottom walls of the sample wells, said lower plate made from a glass, wherein said upper plate was joined to said lower plate by an adhesive mixed with a silane monomer that polymerized to form a compatible network with the adhesive to strengthen a bond between said upper plate and said lower plate.

34. (New) The multiwell plate of Claim 33, wherein said plasma treated polymeric material was subjected to a plasma treatment process to create reactive groups that would interact with the silane monomer in said adhesive to further strengthen the bond between said adhesive and said upper plate.

35. (New) The multiwell plate of Claim 33, wherein said glass is pyrolized glass after being subjected to a pyrolysis process to free silanol groups that would interact with the silane monomer in said adhesive to further strengthen the bond between said adhesive and said lower plate.